NWS CHANGE FORM
PART A

	1. DATE SUBMITTED
	~~12 May 2000~~ 18 May 2000

2. ORIGINATOR OFFICE APO	3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1	4. COGNIZANT TECHNICAL INDIVIDUAL Name: Nolan Miller/John Raiello Routing Code: APO/PRC Phone: (301)713-1975 /(703-883-8535)	5. ORIGINATOR TRACKING NUMBER PRC_A100065

6. SYSTEMS AFFECTED BY CHANGE

☐ DATA PRODUCTS (Complete Data Products Supplement)

☐ ASOS   ☒ AWIPS   ☐ CRS   ☐ NEXRAD   ☐ OTHER (specify) _____

7. WSH TRACKING NUMBER

NWS 591
5/22/00

8. TITLE OF CHANGE
NCF Buildout R4.3

9. TYPE OF CHANGE

☐ HARDWARE   ☒ SOFTWARE   ☐ DOCUMENTATION ONLY

10. SITES AFFECTED (Attach Part B, Page 2, if needed)

All sites.

11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.)

NCF Buildout (R4.3) - This upgrade was planned and funded as part of CLIN0016. Upgrade activities that have already completed are: 1) Remedy ARS Help Desk replaced AutoAnswer & Apriori at NCF (February 2000)   2) Executive Software Diskeeper Defrag Utility on all NCF NT wks & servers (February 2000) 3) Stac Replica Disaster Recovery Software on all NCF NT Servers   (March 2000) 4) Seagate Crystal Reports on NT Server (April 2000)

Additional planned CLIN 0016 upgrade activities that have not yet been done are: 1) Install new NT Server and HP Service Reporter Software   (Currently in G10. Product installed and reports accessible to AWIPS community via the Web) (Custom report generation and modification continues through R5.0)
   2) Install HP IT/O Smart Plugin for Remedy   (May 2000)   3) Install HP IT/O Smart Plug-In for Informix   (NCF-June 2000, **Sites**-Post Release 4.3.3)
   4) Install CiscoWorks2000 Resource Manager Essentials (RME)   (June/July 2000)

12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.)

Integrate and customize Enterprise Management (EM) COTS products at NCF in order for NCF personnel to be able to provide effective operational support for the Operational Phase of AWIPS.

13. ALTERNATE SOLUTIONS

None

14. REQUIRED CHANGE DATE ASAP. Changes are not tied to site releases.	15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) N/A

CCB/PMC/CMB DECISION

16. DECISION AUTHORITY LEVEL

☐ CCB LEVEL ONLY   ☐ FAST TRACK   ☐ PMC or NWS CMB DECISION REQUIRED

17. CCB LEVEL DECISION	☐ APPROVED ☐ RECOMMEND APPROVAL ☐ DISAPPROVED	SIGNATURE
		DATE SIGNED

FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED

18. PMC OR NWS CMB DECISION	☐ APPROVED ☐ DISAPPROVED	SIGNATURE
		DATE SIGNED

NWS CHANGE FORM
PART B

All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.

2. WSH TRACKING NUMBER

NWS 591

FUNDING INFORMATION

Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)	3. SOURCE OF FUNDING	4. TOTAL COST $
5. DEVELOPMENT COSTS (Estimate development costs) This upgrade was planned and funded as part of CLIN0016.		AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) See iem 5.		AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) N/A		AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs) N/A		AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) PRC, HP (Cost included in CLIN 018, CLIN 101, and CLIN 103)		AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) NCF		AMOUNT

SUPPORTING INFORMATION AND SCHEDULES
Provide detailed information needed to implement the requested change.

10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E)	11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.)
12. IMPLEMENTATION/RETROFIT SCHEDULE	13. FACILITY INFORMATION (Attach facility drawings/plans.)
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.)	15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each)	17. COORDINATION OF CHANGE WITH OTHER CHANGES R4.3.3 needs to be already installed at the sites with the required MC/ServiceGuard upgrades to accommodate failover of the Intelligent Agents and SPI Templates.
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.)	19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.)
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.)	21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)

22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.)
The solution was integrated and tested on TNCF in G10. No NMT tesing. All products (other than the Informix Smart Plug-In) are deployed solely at the NCF. The Intelligent Agent and Templates that are required at the sites for the Informix Smart Plug-In will be tested on the site testbed in G10.
   NCF will be implemented with new COTS products. All sites will also be updated with an Informix SPI Intelligent Agent and Templates for Informix Database monitoring/data collection
   No specific shedule. Informix SPI Intelligent Agent and Templates for Informix Database monitoring will be distributed to all DS machines in the AWIPS network (300+) over the course of 2 months. This is based on experience with distributing IT/O Intelligent Agents and Template.   Engineering will distribute the Informix SPI Intelligent Agents and Templates to the sites. This will be transparent to the sites and have no impact upon normal site operation.

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT					1. ORIGINATOR TRACKING NUMBER PRC_A100065			
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)					2. WSH TRACKING NUMBER NWS 591			
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT
		A. PART NUMBER OR CONFIGURATION	B. SERIAL NUMBER(S) OR COMMENTS			A. IDENTIFIER	B. REV	A. IDENTIFIER	B. REV
NCF						SSDD	4.2	SSDD	5.0
								SwDD	5.0
						NCF Documentation	4.2	NCF Documentation	5.0

NWS CHANGE FORM
PART C

	1. ORIGINATOR TRACKING NUMBER PRC_A100065
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.	2. WSH TRACKING NUMBER NWS 591

3. CCB COST EVALUATION

NWS COST $ FAA COST $ DOD COST $ OTHER AGENCY COST $ TOTAL COST $
(SPECIFY)_____

4. IMPLEMENTATION DOCUMENTS REQUIRED

☐ Engineering Modification Note   ☐ Software Release Notes   ☐ Other Document (Specify)_____

ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.

5. IMPLEMENTATION ACTIVITY REQUIRED	6. REQUIRED COMPLETION DATE	7.RESPONSIBLE PERSON AND OFFICE	8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION
1. PRC installs the change through NCF	1 June 00	Dick Thigpen/SST W/APO3	N/A
2. Ensure this change is reported to the Weather Service Headquarters (WSH) through the Engineering Management Reporting System (EMRS) according to the instructions in Engineering Hanbook number 4, part 2. Record this RC number (NWS 591) in Block 17a of the EMRS report.	1 August 00	ESA at each site.	
3. Ensure the appropriate WSH management information systems and configuration management data bases are updated to reflect these changes	15 August 00	Michelle deTommaso W/OSO113	